

Supplemental Table S1
Primers Used in Quantitative Real Time-PCR Analysis

<u>mRNA</u>	<u>Primers</u>
Rat glucokinase	U: GGA GAC TTT CTC TCC TTA GAG D: ATT GGC GGT CTT CAT AGT AGC
Rat L-pyruvate kinase	U: GAT GAA ATT CTA GAA G D: GCT TCG TCA GCA CGA TG
Rat ATP-citrate lyase	U: TGG TTT CAT CGG CGT TGC GTT T D: TTG GCT TTC CAT GCC TGC ACA T
Rat acetyl-CoA carboxylase- α	U: AGG GCA AAG GGA CTG GTG TTC AGA T D: GCC AAC GGA GAT GGT TCA TCC ATT A
Rat acetyl-CoA carboxylase- β	U: TGC TGG ACT GCA TCT TCT CAC ACT D: TGG GCC ACA CAG CTC ATC TAT CAA
Rat fatty acid synthase	U: TGC AAC TGT GCG TTA GCC ACC D: TGT TTC AGG GGA GAA GAG ACC
Rat stearoyl-CoA desaturase-1	U: AGC TCA GCC AAA TGC TGT GTT GTC D: TGC CTT GAT CAG TCA CAG ACA CCT
Rat glucose 6-phosphate dehydrogenase	U: TAT GTC TAT GGC AGC CGA GGT D: GCA GAG TGC AGA TGG TGT AAG
Rat malic enzyme	U : TTG TTG CCA CCC TGC ATT GTC A D: ACA ACA TCT TCT GGC CAT GCG T
Rat sterol regulatory element-binding protein-1c	U: ACG ACG GAG CCA TGG ATT GCA C D: CCG GAA GGC AGG CTT GAG TAC C
Rat spot-14	U: CAG GAG GTG ACG CAG AAA TAC D: GTG AGG TAA ATA CAG CGT CCC
Rat CYP7A1	U: CCT TTG GAG AAC GGG TTG ATT D: CAG GGA GTT TGT GAT GAA ATG G
Rat ABCA1	U: CCC AGA GCA AAA AGC GAC TC D: GGT CAT CAT CAC TTT GGT CCT TG
Rat cyclophilin	U: CGT GGG CTC CGT TGT CTT D: TGA CTT TAG GTC CCT TCT TAT CG

Rat small heterodimer partner	U: CCT TGG ATG TCC TAG GCA AG D: CAC CAC TGT TGG GTT CCT CT
Rat liver X receptor- α	U: ACA GCG CTT TGC CCA CTT TAC TGA -3' D: TTA ATG AAC TCC ACC TGC AGC CCT-3'
Rat PGC-1 β	U: ACT ATG ATC CCA CGT CTG AAG AGT C D: CCT TGT CTG AGG TAT TGA GGT ATT C
Rat PGC-1 α	U: ACC CAC AGG ATC AGA ACA AAC CCT D: ACT GCG GTT GTG TAT GGG ACT TCT
Human fibroblast growth factor-19	U: CAC GGG CTC TCC AGC TGC TTC CTG CG D: TCC TCC TCG AAA GCA CAG TCT TCC TCC G
Human glyceraldehyde 3-phosphate dehydrogenase	U: GTC ATC ATC TCT GCC CCC TCT GCT G D: CGA CGC CTG CTT CAC CAC CTT CTT G
Human Fatty Acid Synthase	U: CGG TAC GCG ACG GCT GCC TG D: GCT GCT CCA CGA ACT CAA ACA CCG
Human fibroblast growth factor-19	U: CAC GGG CTC TCC AGC TGC TTC CTG CG D: TCC TCC TCG AAA GCA CAG TCT TCC TCC
Human acetyl-CoA carboxylase- α	U: TGA TGT CAA TCT CCC CGC AGC D: TTG CTT CTT CTC TGT TTT CTC CCC

Supplemental Table S2
Effect of FGF-19 on cAMP Levels in Hepatocytes

Treatment	cAMP concentration (pmoles/ μ g protein)	
	10 min	1 h
Insulin	5.3 \pm 0.9	7.7 \pm 0.5
Insulin + FGF-19	4.8 \pm 0.3	6.7 \pm 0.2
Insulin + Glucagon	87 \pm 15*	ND

Primary hepatocyte cultures were prepared and incubated in Waymouth's medium containing insulin. At 36 h of incubation, FGF-19 (50 ng/ml) was added to the cells and the incubation was continued for 10 min and 1 h. Cells were harvested and cAMP levels were measured in acid-soluble whole cell extracts. The results are the mean of three plates. ND, not determined. * $P \leq 0.05$ compared to cells treated with insulin alone.